

What is claimed is:

1. A method for creating and recording seamless presentation information of moving picture data in a rewritable recording medium, comprising the steps of:

(a) recording picture data being received on the recording medium by grouping the data into video objects;

(b) determining whether to specify two successive video objects as a pair of video objects to be presented seamlessly; and

(c) setting a seamless presentation flag contained in seamless presentation information of the latter of the two successive video objects based the determination result and creating optional information fields in the seamless presentation information based on the seamless presentation flag value.

2. A method according to claim 1, wherein said data grouping is performed based upon whether or not the picture data are received consecutively.

3. A method according to claim 1, wherein said data grouping is performed based upon the type of the picture data being received.

4. A method according to claim 3, wherein said type of the picture data is classified by whether the data being received are moving picture data or still picture data.

5. A method according to claim 1, wherein said step (c) comprises the steps of:

comparing types of the two successive video objects; and

determining whether to specify the two successive video objects as a pair of video objects to be presented seamlessly based on the comparison result.

6. A method according to claim 5, wherein said type of video object is classified by whether the video object is related to moving picture data or still picture data.

7. A method according to claim 1, wherein said optional information fields include the field of system clock reference.

8. A method according to claim 7, wherein said field of system clock reference comprises the last system clock reference field of the former of the two successive video objects and the first system clock reference of the latter of the two successive video objects.

9. A method for creating and recording seamless presentation information of moving picture data in a rewritable recording medium, comprising the steps of:

(a) recording picture data being received on the recording medium by grouping the data into video objects;

(b) determining whether to specify two successive video objects as a pair of video objects to be presented seamlessly; and

(c) setting a seamless presentation flag contained in seamless presentation information of the latter of the two successive video objects based the determination result and creating information fields in the seamless presentation information optionally based on the seamless presentation flag

value.

10. A method according to claim 9, wherein said data grouping is performed based upon whether or not the picture data are received consecutively.

11. A method according to claim 9, wherein said data grouping is performed based upon the type of the picture data being received.

12. A method according to claim 11, wherein said type of the picture data is classified by whether the data being received are moving picture data or still picture data.

13. A method according to claim 9, wherein said step (c) comprises the steps of:

comparing types of the two successive video objects; and

determining whether to specify the two successive video objects as a pair of video objects to be presented seamlessly based on the comparison result.

14. A method according to claim 13, wherein said type of video object is classified by whether the video object is related to moving picture data or still picture data.

15. A method according to claim 9, wherein said information fields being created optionally include the field of system clock reference.

16. A method according to claim 15, wherein said field of system clock reference comprises the last system clock reference field of the former of the two successive video objects and the first

system clock reference of the latter of the two successive video objects.

17. A method for managing seamless presentation information of moving picture data in a rewritable recording medium, comprising the steps of:

- (a) erasing video objects requested to be deleted; and
- (b) updating seamless presentation information of the video object following the erased video objects.

18. A method according to claim 17, wherein said step (b) updates the seamless presentation flag in the seamless presentation information of the video object following the erased video objects.

19. A method according to claim 17, wherein said step (b) erases the field of system clock reference contained in the navigation information for the video object following the erased video objects.